

Introductory Note

In the spring of 1955 the occurrence of a number of cases of poliomyelitis among recently vaccinated individuals and their contacts presented a problem which raised many questions of importance in the field of poliomyelitis. A definitive account of this problem should eventually be prepared as a reference document. It was felt that an interim summary would be useful at this time (October, 1955), but that detailed discussion of the data might appropriately be deferred. For this reason, the material presented in this summary appears in simple tabular form without additional comment.

The following points must be kept in mind when examining the data: 1) results of 60 day physio-therapy muscle gradings are not included; 2) laboratory data on many cases are incomplete, and; 3) a small number of additional cases may also be accepted in the future on the basis of these laboratory and physio-therapy examinations. It is also expected that many minor corrections in the data herein reported will eventually be made.

This summary includes all cases which may have been "accepted" by the Polio Surveillance Unit through October 21, 1955. "Accepted" cases meet the following criteria:

- 1) All cases have been classified as bona fide polio by the Polio Reporting Officer submitting the case.
- 2) Minimum essential data (county residence, age, sex, date of inoculation, date of onset, paralytic status and manufacturer of vaccine used) have been included in the report submitted.

It should be noted that for the purposes of this presentation cases used in the tabulations were selected in the following way:

- 1) Vaccinated Cases: all cases included had onsets before June 1, 1955, so that no cases with onsets more than 50 days after inoculation are included.
- 2) Family Contact Cases: all cases included had onsets before June 15, 1955, so that no cases with onsets more than 65 days after inoculation of the vaccinated contact are included.
- 3) Community Contact Cases: all PSU accepted Community Contact Cases are included without restriction as to date of onset. However, reporting of Community Contact Cases was discontinued on August 1, 1955.

Tabulations of laboratory data are limited to reports of virus isolations from patients, and from household contacts or vaccinated contacts of the patients. At the present time reports on negative stool specimens and on isolations of viruses other than polio virus have not been completely checked and are therefore not presented.

Contents

Table 1	Cutter Associated Poliomyelitis Cases by State, with Paralytic Status and Deaths.
Table 2	Cutter Associated Poliomyelitis Cases by Date of Vaccination.
Table 3	Cutter Associated Poliomyelitis Cases by Date of First Symptoms.
Table 4	Cutter Associated Poliomyelitis Cases by Interval from Inoculation to First Symptoms.
Table 5	Cutter Associated Poliomyelitis Cases by Manufacturer's Order Number and Filling Lot Number.
Table 6	The Distribution of Cutter Vaccine by Manufacturer's Order Number, Filling Lot Number, and State.
Table 7	Poliomyelitis Attack Rates Among Individuals Receiving Cutter Vaccine and Poliomyelitis Attack Ratios Among Cutter Vaccinees and Their Family and Community Contacts.
Table 8	Cutter Associated Poliomyelitis Cases, Virus Isolations by State and Paralytic Status.
Table 9	Cutter Associated Poliomyelitis Cases Virus Isolations by Type of Polio Virus and Paralytic Status.
Table 10	Cutter Associated Poliomyelitis Cases Paralytic Cases by Date of First Paralysis, with Predictions Based on Experimental Data.
Table 11	Cutter Vaccinated Poliomyelitis Cases Paralytic Cases by Interval from Inoculation to First Paralysis Comparison With Experimental Data in the Cynomolgus Macaque (Bodian)
Table 12	Cutter Vaccinated Poliomyelitis Cases Paralytic Cases by Site of Inoculation, Site of First Paralysis and Interval between Inoculation and First Paralysis, Comparison with Experimental Data in the Cynomolgus Macaque (Bodian).
Table 13	Cutter Vaccinated Paralytic Poliomyelitis Cases Comparison with Experimental Data in the Cynomolgus Macaque (Bodian).

Table 1

Cutter Associated Poliomyelitis Cases by State
With Paralytic Status and Deaths

	Vaccinated Cases				Family Contact Cases				Community Contact Cases				Totals			
	P*	NP*	T*	D*	P	NP	T	D*	P	NP	T	D*	P	NP	T	D*
Alabama									1		1	1	1		1	1
Arizona	1	1	2			3	3						1	4	5	
California	27	11	38		28	10	38		2	1	3	1	57	22	79	1
Colorado	1		1		2		2						3		3	
Connecticut		1	1											1	1	
Georgia	1		1		3		3	1					4		4	1
T. Hawaii	1		1	1	2		2						3		3	1
Idaho	17	3	20	3	28	8	36	1	4	1	5		49	12	61	3
Illinois	1		1										1		1	
Louisiana	1		1	1	1		1						2		2	1
Maryland					1		1		4	1	5		5	1	6	
Minnesota									1		1		1		1	
Missouri	1		1										1		1	
Montana					1		1	1					1		1	
Nevada	3	1	4		4	1	5						7	2	9	
New Mexico					2	1	3						2	1	3	
New York		1	1											1	1	
Ohio	1		1		1		1	1					2		2	
Oregon	3		3		3	1	4		1		1		7	1	8	
Tennessee					1		1						1		1	
Texas	1		1		1		1						2		2	
Virginia									1		1		1		1	
Washington	1		1		2	1	3		3		3		6	1	7	
Wyoming	1		1										1		1	
Totals	61	18	79	5	80	25	105	4	17	3	20	2	158	46	204	11
% Paralytic			77				76				85				77	
Case Fatality Rate (%)			6				5				10				5	

* P - Paralytic, NP- non-paralytic, T - Total, and D - deaths. Deaths are also tabulated under paralytic cases.

Table 2

Cutter Associated Poliomyelitis Cases
by Date of Vaccination*

Date	VC*	FCC*	CCC*	Totals
Tues. April 12		2		2
Wed. 13	1		1	2
Thurs. 14	4	2	1	7
Fri. 15	2	2	6	10
Sat. 16	7	15	1	23
Sub totals				44
Sun. 17	4			4
Mon. 18	10	11	1	22
Tues. 19	16	23	3	42
Wed. 20	9	16	1	26
Thurs. 21	9	5	2	16
Fri. 22	6	9		15
Sat. 23	1			1
Sub totals				126
Sun. 24		1	1	2
Mon. 25	2	2		4
Tues. 26	4	6		10
Wed. 27	2	3		5
Thurs. 28	1			1
Fri. 29	1		1	2
Sub totals				24
Data Incomplete		8	2	10
Totals	79	105	20	204

* VC-vaccinated cases, FCC-family contact cases, CCC-community contact cases. Family and Community contact cases are listed by inoculation date of vaccinated contact.

Table 3

Cutter Associated Poliomyelitis Cases
by Date of First Symptoms

	VC*			FCC*			CCC*			Totals		
	P*	NP*	T*	P	NP	T	P	NP	T	P	NP	T
April 20	2		2							2		2
21	5		5							5		5
22	2	2	4	1		1				3	2	5
23	3		3							3		3
24	3	1	4							3	1	4
25	8		8	1		1				9		9
26	6		6							6		6
27	8	1	9							8	1	9
28	3		3							3		3
29	6	1	7		1	1				6	2	8
30	2		2							2		2
May 1	3	1	4	3	1	4				6	2	8
2	4	4	8	3	1	4				7	5	12
3	1	1	2	2		2				3	1	4
4		2	2	5		5				5	2	7
5		1	1	2		2				2	1	3
6	1		1	4		4				5		5
7	1		1	2		2				3		3
8				4		4	1		1	5		5
9				2	2	4	1	1	2	3	3	6
10				3		3				3		3
11		2	2	2	1	3				2	3	5
12				4	2	6	1		1	5	2	7
13				5	1	6	1		1	6	1	7
14	1	1	2	3	3	6				4	4	8
15				2	1	3				2	1	3
16				2	1	3				2	1	3
17	1		1	2	2	4	1		1	4	2	6
18				6	1	7	1		1	7	1	8
19				1		1	1	1	2	2	1	3
20					1	1					1	1
21				1	1	2	3		3	4	1	5
22				1		1	1		1	2		2
23				4	1	5				4	1	5
24				1		1				1		1
25	1		1				2		2	3		3
26				1		1				1		1
27					1	1	1		1	1	1	2
28				2	1	3				2	1	3

Table 3 (Continued)

	VC*			FCC*			CCC*			Totals		
	P*	NP*	T	P	NP	T	P	NP	T	P	NP	T
May 29							1		1	1		1
30		1	1	2	1	3				2	2	4
31												
June 1	**			2	2	4				2	2	4
2												
3				1		1		1	1	1	1	2
4				1		1				1		1
5				1		1				1		1
6				1		1				1		1
7												
8												
9				1		1				1		1
10												
11				1		1				1		1
12				1		1				1		1
13												
14												
15				**								
16												
17							1		1	1		1
Totals	61	18	79	80	25	105	17	3	20	158	46	204

Summary By Weeks

Week Ending	VC*			FCC*			CCC*			Totals		
	P*	NP*	T*	P	NP	T	P	NP	T	P	NP	T
April 23	12	2	14	1		1				13	2	15
30	36	3	39	1	1	2				37	4	41
May 7	10	9	19	21	2	23				31	11	42
14	1	3	4	23	9	32	4	1	5	28	13	41
21	1		1	14	7	21	7	1	8	22	8	30
28	1		1	9	3	12	4		4	14	3	17
June 4		1	1	6	3	9	1	1	2	7	5	12
11				5		5				5		5
18							1		1	1		1
Totals	61	18	79	80	25	105	17	3	20	158	46	204

* VC - Vaccinated Cases, FCC - Family Contact Cases, CCC - Community Contact Cases, P - Paralytic, NP - Non-paralytic, and T - total.

** Vaccinated Cases with onsets June 1 or later not included. Family Contact Cases with onset June 15 or later not included.

Table 4

Cutter Associated Poliomyelitis Cases by Interval
from Inoculation to First Symptoms**

Interval (Days)	VC*			FCC*			CCC*			Totals		
	P*	NP*	T*	P	NP	T	P	NP	T	P	NP	T
1	1		1							1		1
2		1	1	1		1				1	1	2
3	2		2							2		2
4	2		2							2		2
5	12		12							12		12
6	10	2	12							10	2	12
7	12	1	13		1	1				12	2	14
8	5	3	8	1		1				6	3	9
9	5		5							5		5
10	2	2	4	1	1	2				3	3	6
11	2		2							2		2
12	1		1	1		1				2		2
13	2	2	4	3	2	5				5	4	9
14	1		1	3		3				4		4
15		1	1	5		5				5	1	6
16				4		4				4		4
17		1	1	2	1	3				2	2	4
18	1	1	2	2		2	1	1		4	1	5
19		2	2	2		2	1	1		3	2	5
20				3		3				3		3
21		1	1	2	2	4				2	3	5
22	1		1	7	3	10		1	1	8	4	12
23				2	1	3				2	1	3
24				4	4	8	2	2		6	4	10
25	1		1	5		5				6		6
26				3	1	4	1	1		4	1	5
27				2	1	3	2	2		4	1	5
28				3		3				3		3
29												
30				2		2		1	1	2	1	3
31												
32				2	1	3				2	1	3
33							1	1		1		1
34				2	1	3	2	2		4	1	5
35					1	1	1	1		1	1	2
36	1		1	3		3	1	1		5		5
37												
38				1	1	2	1	1		2	1	3
39				1		1	1	1		2		2
40				1		1				1		1
41					1	1	1	1		1	1	2
42				1		1				1		1

Table 4 Continued

Interval (Days)	VC*			FCC*			CCC*			Totals		
	P*	NP*	T*	P	NP	T	P	NP	T	P	NP	T
43					1	1					1	1
44				1		1				1		1
45				2		2				2		2
46				1		1				1		1
47		1	1								1	1
48				1		1		1	1	1	1	2
Data Incomplete				6	2	8	2		2	8	2	10
Totals	61	18	79	80	25	105	17	3	20	158	46	204

Summary by Weeks

0-3	3	1	4	1		1				4	1	5
4-7	36	3	39		1	1				36	4	40
8-14	18	7	25	9	3	12				27	10	37
15-21	1	6	7	20	3	23	2		2	23	9	32
22-28	2		2	26	10	36	5	1	6	33	11	44
29-35				6	3	9	4	1	5	10	4	14
36-42	1		1	7	2	9	4		4	12	2	14
43-49		1	1	5	1	6		1	1	5	3	8
Data Incomplete				6	2	8	2		2	8	2	10
Totals	61	18	79	80	25	105	17	3	20	158	46	204

*VC-Vaccinated Cases, FCC-Family Contact Cases, CCC-Community Contact Cases,
P-Paralytic, NP-Non-paralytic, T-Total.

**Interval between onset of case and date of inoculation of vaccinated
contact used for all contact cases.

Table 5

Cutter Associated Poliomyelitis Cases
by Manufacturer's Order Number and Filling Lot Number

Mfr. Order No.	Filling Lot No.	VC*		FCC*		CCC*		All Cases			
		P*	NP*	P	NP	P	NP	P	NP	Totals	
19460	5721									0	0
19463	6037	3	3	3				6	3	9	9
19467	6038	2	3	3	1			5	4	9	9
19468	6039	1		4	1			5	1	6	98
	6044	2	2	2		5	1	9	3	12	
	6045	9	1***	4	3	1	1	14	5	19	
	6058	2						2		2	
	?6039 ?6058	15	2	28	8	4	1	47	12	59	
19469											**
19762	5927	1						1		1	6
	5928	3	1		1			3	2	5	
19764	5970			2	1			2	1	3	40
	5971	7		4		1		12		12	
	5972	8		6	3	1		15	3	18	
	5973	1		2		3		6		6	
	?5971 ?5972			1				1		1	
19766	5974		1						1	1	6
	5975										
	5976		2	1	2			1	4	5	
19767	5965										**
	5966										**
	5967										
Data Incomplete		7***	2	20	5	2		29	7	36	
Totals		61	18	80	25	17	3	158	46	204	

*VC-Vaccinated Cases, FCC-Family Contact Cases, CCC-Community Contact Cases, P - Paralytic, NP-Non-paralytic. ** These lots were never shipped. ***Includes one case given a second inoculation on day of first symptoms.

Table 6

The Distribution of Cutter Vaccine*
by Manufacturer's Order Number, Filling Lot Number and State

Mfr. Order No.*	Filling Lot No.*	Com- mercial Inocs.	First Inoculations in NFIP Clinics					Totals	
			Ariz.	Cal.	T.H.	Ida.	Nev.		N.M.
19460	5721			34000				34,000	
19463	6037		11000	20000			32000	63,000	
19467	6038		2000	48000	3000		4000	4000	61,000
19468	6039				2000	20000	7000	3000	32,000
	6094	19000							19,000
	6045	10000							10,000
	6058				***	12000			12,000
19469	6082								**
	6084								**
19762	5927	13000							13,000
	5928		18000	25000					43,000
19764	5970		***	21000					21,000
	5971	9000							9,000
	5972	11000							11,000
	5973	10000							10,000
19766	5974	13000							13,000
	5975	11000							11,000
	5976		7000	21000				12000	40,000
19767	5965								**
	5966								**
	5977			3000	***				3,000
Totals		96000	38000	17000	5000	32000	11000	51000	405,000

*Data for this table courtesy of Vaccine Activities Section, BSS, USPHS.
Sources: Shipments and returns of Cutter vaccine; States' estimates of first inoculations given in NFIP Clinics through May 28, 1955 and tabulated by NFIP.

Mfr. Order No.: Vaccine Lots as produced.

Filling No.: Manufacturer's designation for Distribution Sublots

Commercial Inocs.: Inoculations with vaccine distributed through commercial channels.

Ariz. - Arizona, Cal. - California, T.H. - Territory Hawaii, Ida. - Idaho,
Nev. - Nevada, N.M. - New Mexico.

**These lots were never shipped.

*** Less than 500 inoculations.

Table 7

Poliomyelitis Attack Rates

Among Individuals Receiving Cutter Vaccine and Poliomyelitis Attack Ratios
Among Cutter Vaccinees and their Family and Community Contacts

Mfr. Order No.	Prod. No.	No. of Inocs.	Vaccinated Cases		Total Associated Cases	
			No. of Cases	Rate per 100,000	No. of Cases	Rate per 100,000
19460	5721	34,000	0	-	0	-
19463	6037	63,000	6	9.6	9	14.3
19467	6038	61,000	5	8.2	9	14.8
19468		73,000	35	48.0	98	132.0
	6039	32,000	1		6	
	6044	19,000	4		12	
	6045	10,000	10		19	
	6058	12,000	2		2	
	(?6039) (?6058)		18		58	
19762		56,000	5	8.9	6	10.6
	5927	13,000	1		1	
	5928	43,000	4		5	
19764		51,000	16	31.5	40	78.0
	5970	21,000	0		3	
	5971	9,000	7		12	
	5972	11,000	8		18	
	5973	10,000	1		6	
	(?5971) (?5972)				1	
19766		64,000	3	4.7	6	9.4
	5974	13,000	1		1	
	5975	11,000	0		0	
	5976	40,000	2		5	
19767	5977	3,000	0	-	0	-
Data Incomplete			9		36	
Totals		405,000	79	19.5	204	50.4

Table 8

Cutter Associated Poliomyelitis Cases
Virus Isolations by State and Paralytic Status**

	VC*			FCC*			CCC*			Totals												
	P*			NP*			P			NP												
	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3				
Ala.																						
Ariz.																						
Cal.	15		1	1	1		5		1							20	1	2	1			
Colo.	1						2								3							
Conn.				1														1				
Ga.	1						3								4							
T.H.																						
Ida.	10			1			23		6		3		1		36			8				
Ill.	1														1							
La.	1						1								2							
Md.							1				4		1		5			1				
Minn.											1				1							
Mo.																						
Mont.							1								1							
Nev.	2			1			3								5			1				
N.M.																						
NY.																						
Ohio																						
Oreg.	1						3		1		1				5			1				
Tenn.							1								1							
Tex.																						
Va.											1				1							
Wash.									1									1				
Wyo.																						
Total	32	0	1	4	1	0	43	0	9	0	0	10	0	0	2	0	0	85	0	1	15	10
Isola- tions	33			38	5		43		52			10		12	2			86			102	16
Total Cases				79					105					20							204	

* VC - Vaccinated Cases, FCC - Family Contact Cases, CCC - Community Contact Cases, P - paralytic, NP - non-paralytic; 1,2, and 3 refer to polio virus types.

** Includes all cases in which a virus isolation was reported from the patient and / or household or vaccinated contacts of the patient; Reports of negative attempts at virus isolation are incomplete and are not included.

Table 9

Cutter Associated Poliomyelitis Cases
Virus Isolations by Type of Polio Virus & Paralytic Status*

Polio Virus Isolations	VC*		FCC*		CCC*		Totals	
	P*	NP*	P	NP	P	NP	P	NP
Type I	32	4	43	9	10	2	85	15
Type II		1						1
Type III	1						1	
All Types	33	5	43	9	10	2	86	16
Polio Cases	61	18	80	25	17	3	158	46

* Includes all cases which a virus isolation was reported from the patient and/or household or vaccinated contacts of the patient. Reports of negative attempts at virus isolation are incomplete and are not included.

VC - Vaccinated Cases, FCC - Family Contact Cases, CCC - Community Contact Cases, P - Paralytic, and NP - Non-paralytic.

Table 10

Cutter Associated Poliomyelitis Cases
Paralytic Cases by Date of First Paralysis**
With Predictions Based on Experimental Data

Date	VC*		FCC*		CCC*	
	R*	P*	R*	P*	R*	P*
April 22		0.3				
23	1	0.5				
24	4	1.7				
25	1	1.7				
26	6	2.4				
27	10	2.7				
28	6**	2.9				
29	4	3.8		0.1		
30	2	4.1	1	0.3		
May 1	6	4.1	1**	0.4		
2	4	4.3	2**	0.9		
3	6	4.4		1.0		
4	1	4.4		1.5		
5		4.3	1**	1.8		
6	3	3.0	2	2.2		
7	1	3.0	4	2.9		
8	2	2.5	1	3.2		
9		2.2	4	3.6		
10	1	2.1	3	4.0		
11		1.3	2	4.3		
12		1.0	8	4.6	2	
13		1.0	2**	4.7		
14		0.8	4	4.4		
15		0.6	3	4.4	1	
16		0.3	2	4.2		
17		0.3	2	4.0	1	
18		0.3	6**	3.8	1	
19		0.3	4	3.2	1	
20		0.2	1	2.9		
21	1	0.2	4**	2.7	1**	
22		0.2	2	2.4	1	
23			4**	2.1	1	
24	1			1.7	1	
25			1	1.5		
26				1.3		
27			1	1.2	1	
28				1.0		
29				0.7	4**	
30	1		2	0.7		
31			1	0.5		
June 1			1	0.5		
2				0.3	1	
3			2**	0.2		
4				0.2		

Footnotes on next page.

Continued on next page.

Table 10 Continued

Date	VC*		FCC*		CCC*	
	R*	P*	R*	P*	R*	P*
June 5			2**	0.1		
6			3	0.1		
7				0.1		
8				0.1		
9				0.1		
10			1			
11						
12			1**			
13						
14			1			
17					1**	
27			1			
	61	61	80	80	17	

Week Ending	Summary by Weeks					
	VC*		FCC*		CCC*	
	R*	P*	R*	P*	R*	P*
April 23	1	0.8				
30	33	19.4	1	0.3		
May 7	21	27.6	10	10.7		
14	3	10.8	24	28.8	2	
21	1	2.2	22	25.3	5	
28	1	0.2	8	11.1	4	
June 4	1		6	3.2	5	
11			6	0.5		
18			2	0.1	1	
25						
July 2			1			
Totals	61	61	80	80	17	

* VC - Vaccinated Cases, FCC - Family Contact Cases, CCC - Community Contact Cases, R - Reported data, P - Predicted cases on the basis of uniform distribution of inoculations, April 16 to 27, and incubation period of inoculation polio in 32 Cynomolgus macaques (Bodian, see Table 11), adjusted to reported totals.

**Includes cases dated by first symptoms in absence of information on date of first paralysis.

Table II

Cutter Vaccinated Poliomyelitis Cases
Paralytic Cases by Interval from Inoculation to First Paralysis
Comparison with Experimental Data, in the Cynomolgus Macaque **

Interval (Days)	Vaccinated Cases		Monkey Data (Bodian)***		Interval (Days)	Vaccinated Cases		Monkey Data (Bodian)**	
	No.	%	No.	%		No.	%	No.	%
					20				
0					21			1	
1					22				
2					23				
3					24			1	
4	1	2%			25				6%
5					26				
6	5		2		27				
7	6		1		28				
8	8		8		29	1			
9	7				30				
		42%		34%			2%		
10	11*		4		31				
11	3		2		32	1			
12	4		1		33				
13	3		6		34				
14	5		2		35				
		42%		47%			2%		
15	1				36				
16	1		1		37				
17			1		38				
18	1		2		39				
19	2				40				
		8%		13%					
					41	1			
							2%		
Totals						61	100%	32	100%

* Includes one case with a 10 day interval after 1st inoculation and a 3 day interval after 2nd inoculation.

** Data abstracted from David Bodian "Viremia in Experimental Poliomyelitis," American Journal of Hygiene, Vol. 60, page 358, November, 1954. In the experiment cited live Mahoney virus was injected into the right calf of 32 cynomolgus macaques and the incubation period between injection and onset of paralysis recorded.

Table 12

Cutter Vaccinated Poliomyelitis Cases

Paralytic Cases by Site of Inoculation, Site of First Paralysis and Interval
between Inoculation and First Paralysis

Comparison with Experimental Data In the Cynomolgus Macaque**

Inoculation	Site of First Paralysis	Interval in Days						Totals	Monkey Data (Bodian)**	
		0-3	4-7	8-14	15-21	22-28	29-35			36-42
LA	LA		6	19	2			27	25	
RA	RA		2	3				5		
LL	LL			2				2		
RL	RL		1	5				6		
Sub Totals								40	23**	
Arm	Bulbar			1	2			3		
Arm	Other Arm		2	1	1			4		
Arm	Trunk					1		1		
Arm	Legs		1	5		1	1	8		
Leg	Other Leg			3				3		
Sub totals								19	9**	
Data Incomplete				2*				2		
Sub totals								2		
Non-paralytic								18		
Sub totals								18		
Totals			12	41	5		2	1	79	32

* Includes one case tabulated by interval inoculation to first symptoms.

** Dr. David Bodian, Personal communication. Thirty-two Cynomolgus monkeys were inoculated with mahoney virus in the right calf and examined twice daily to determine the site of initial paralysis. All animals were given a 1-ml inoculum drawn from a single virus pool and containing 100 to 1000 tissue-culture doses per ml.

In some cases initial paralysis developed simultaneously in several extremities, including the right leg.

In some cases initial paralysis developed simultaneously in several sites, but in all cases the right leg was not involved at the time when paralysis was first noted.

Table 13

Cutter Vaccinated Paralytic Poliomyelitis Cases
Comparison with Experimental Data in the Cynomolgus Macaque*

Location First Paralysis	Interval Inoculation to First Paralysis (days)					Totals		Monkey Data* (Bodian)	
	0-3	4-7	8-14	15-21	22	No.	%	No.	%
in inoculated extremity	9	29	2			40	66%	23	72%
distant from site of (Inoculation)	3	10	3	3		19	31%	9	20%
data incomplete		2				2	3%		
Totals	No.	12	41	5	3	61	100%	32	100%
	%	20%	67%	8%	5%	100%			
Monkey Data (Bodian)*	No.	3	23	5	1	32			
	%	9%	72%	16%	3%	100%			

* See Tables 11 and 12 for references to source.